

DERWENT-ACC-NO: 1989-352475

DERWENT-WEEK: 198948

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TITLE: Perpendicular magnetic recording
medium - comprises non-magnetic base, titanium alloy
intermediate layer and hexagonal alloy layer

PATENT-ASSIGNEE: HITACHI LTD[HITA]

PRIORITY-DATA: 1988JP-0089058 (April 13, 1988)

PATENT-FAMILY:

PUB-NO	MAIN-IPC	PUB-DATE	LANGUAGE
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APPLICATION-DATA:

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INT-CL (IPC): G11B005/66

ABSTRACTED-PUB-NO: JP 01263910A

BASIC-ABSTRACT:

Perpendicular magnetic recording medium consists of a nonmagnetic base material, an intermediate layer made from a Ti-base alloy, and a magnetic layer made from a hexagonal alloy.

The medium has pref. as high permeable magnetic layer between the non-magnetic base material and the intermediate layer. The Ti-base alloy comprises Ti and V, Nb, Ta, Cr, Mo, W, Mn, Ni, Pb, Pt, Cu, Ag, Au, C, Si, Ge,

Ru, Os, Rh or Ir.

The Ti-base alloy contains pref. 75-99 atom-% Ti. The hexagonal alloy is pref.

a Co-base alloy which comprises pref. at least 50 atom-%, more pref. 75-99.1

atom-% of Co, and the balance Cr, V, Mo, W, Ti, Mn, Re, Sm, Fe or O.

ADVANTAGE - The intermediate layer has improved C-axis orientation and good magnetic properties, so the medium has good recording-reproducing properties and high reliability.

CHOSEN-DRAWING: Dwg.1-3/4

DERWENT-CLASS: L03 M26 T03 V02

CPI-CODES: L03-B05G; M26-B06;

EPI-CODES: T03-A01D; T03-A01X; V02-B01;